

## Iowa Monitoring Locations and Design Values for Sulfur Dioxide 2019-2021

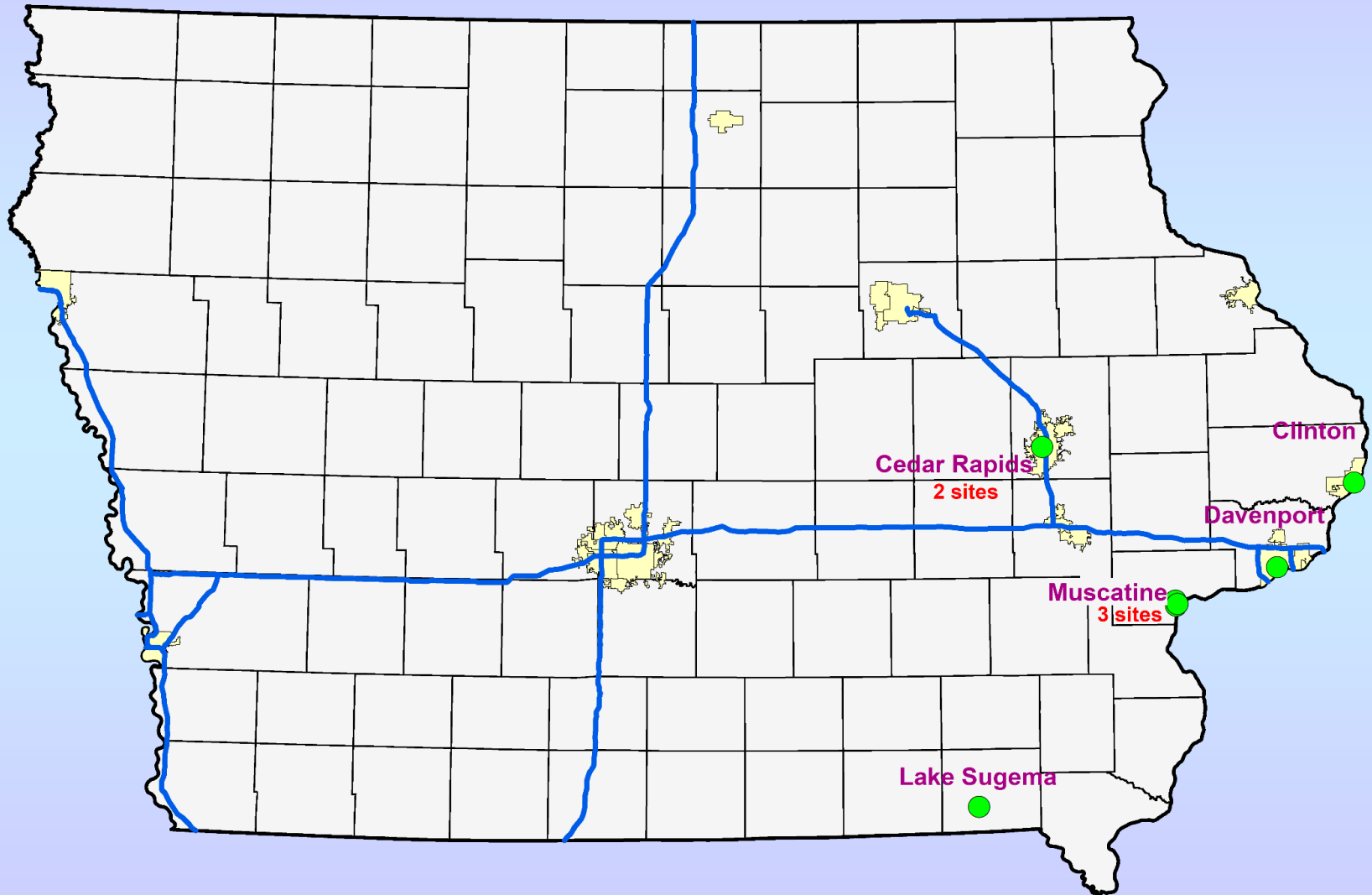
A design value is a tool that can be used to understand pollution levels at a specific location. A design value may be set for any pollutant. The U.S. EPA's official definition is explained this way: "a design value is the mathematically determined pollutant concentration at a particular site that must be reduced to, or maintained at or below the National Ambient Air Quality Standard to assume attainment." The design value number tells us how a particular site or area compares with the National Ambient Air Quality Standards (NAAQS).

Iowa sulfur dioxide (SO<sub>2</sub>) monitor location and information is detailed on the following pages. The EPA design value for 1-hour SO<sub>2</sub> is equal to the average of the annual 99th percentile daily maximum 1-hour value for the most recent three years. The EPA revised the SO<sub>2</sub> NAAQS in June of 2010. A monitoring site must have a design value less than 76 parts per billion to be considered "in attainment" with the SO<sub>2</sub> NAAQS. Additional information on the revised SO<sub>2</sub> standard is available here: <https://www.epa.gov/so2-pollution>

# Iowa Sulfur Dioxide Monitoring Sites 2021

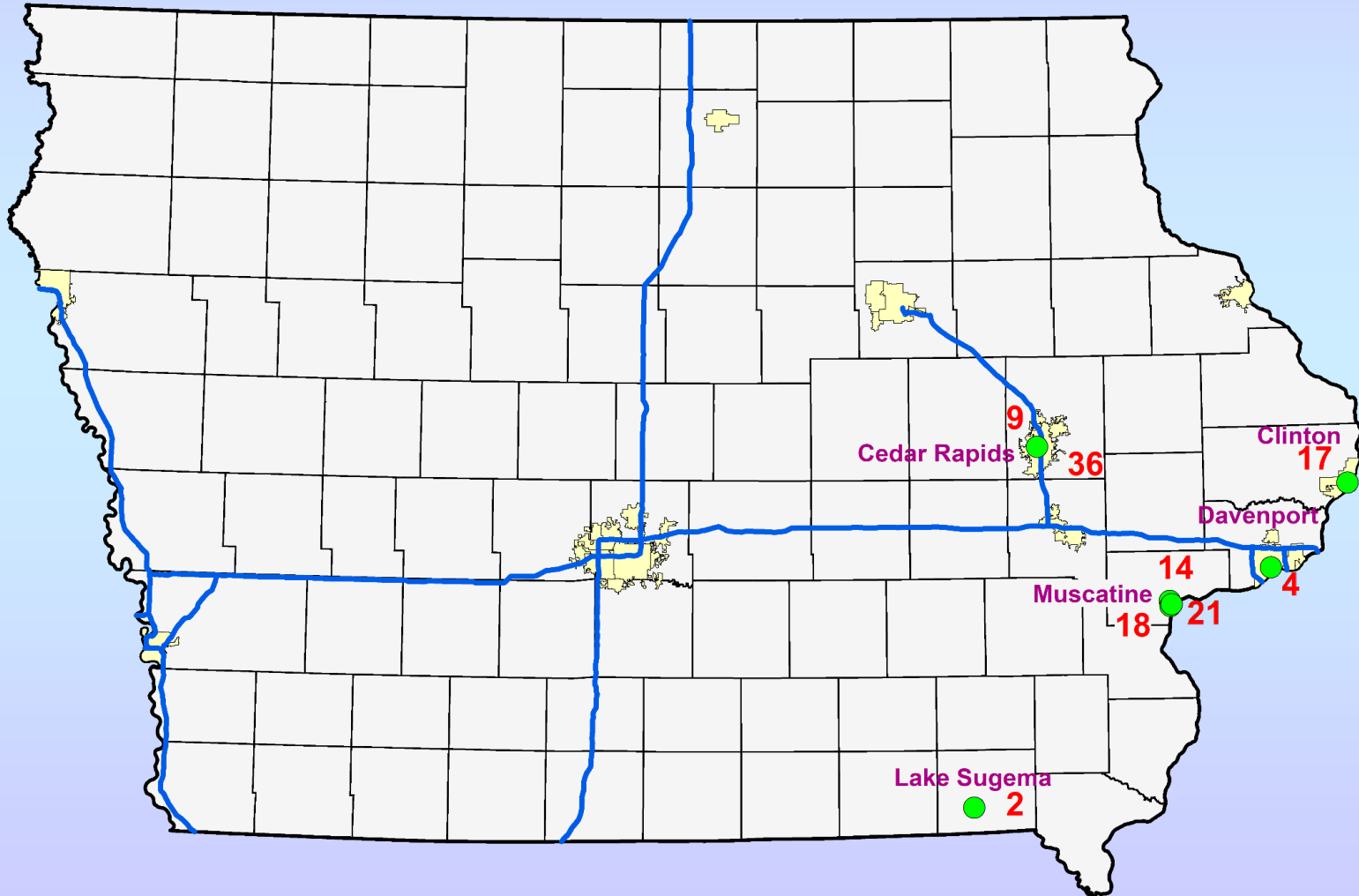
<b>AQS Site ID</b>	<b>Site Name</b>	<b>Location</b>	<b>County</b>
<b>19-045-0019</b>	<b>Chancy Park</b>	<b>Clinton</b>	<b>Clinton</b>
<b>19-113-0040</b>	<b>Public Health</b>	<b>Cedar Rapids</b>	<b>Linn</b>
<b>19-113-0041</b>	<b>Tait Cummins Park</b>	<b>Cedar Rapids</b>	<b>Linn</b>
<b>19-139-0016</b>	<b>Greenwood Cemetery</b>	<b>Muscatine</b>	<b>Muscatine</b>
<b>19-139-0019</b>	<b>High School East Campus</b>	<b>Muscatine</b>	<b>Muscatine</b>
<b>19-139-0020</b>	<b>Musser Park</b>	<b>Muscatine</b>	<b>Muscatine</b>
<b>19-163-0015</b>	<b>Jefferson School</b>	<b>Davenport</b>	<b>Scott</b>
<b>19-177-0006</b>	<b>Lake Sugema</b>	<b>Keosauqua</b>	<b>Van Buren</b>

# Iowa SO<sub>2</sub> Monitoring Network 2021



# Iowa SO<sub>2</sub> Design Values: 2021

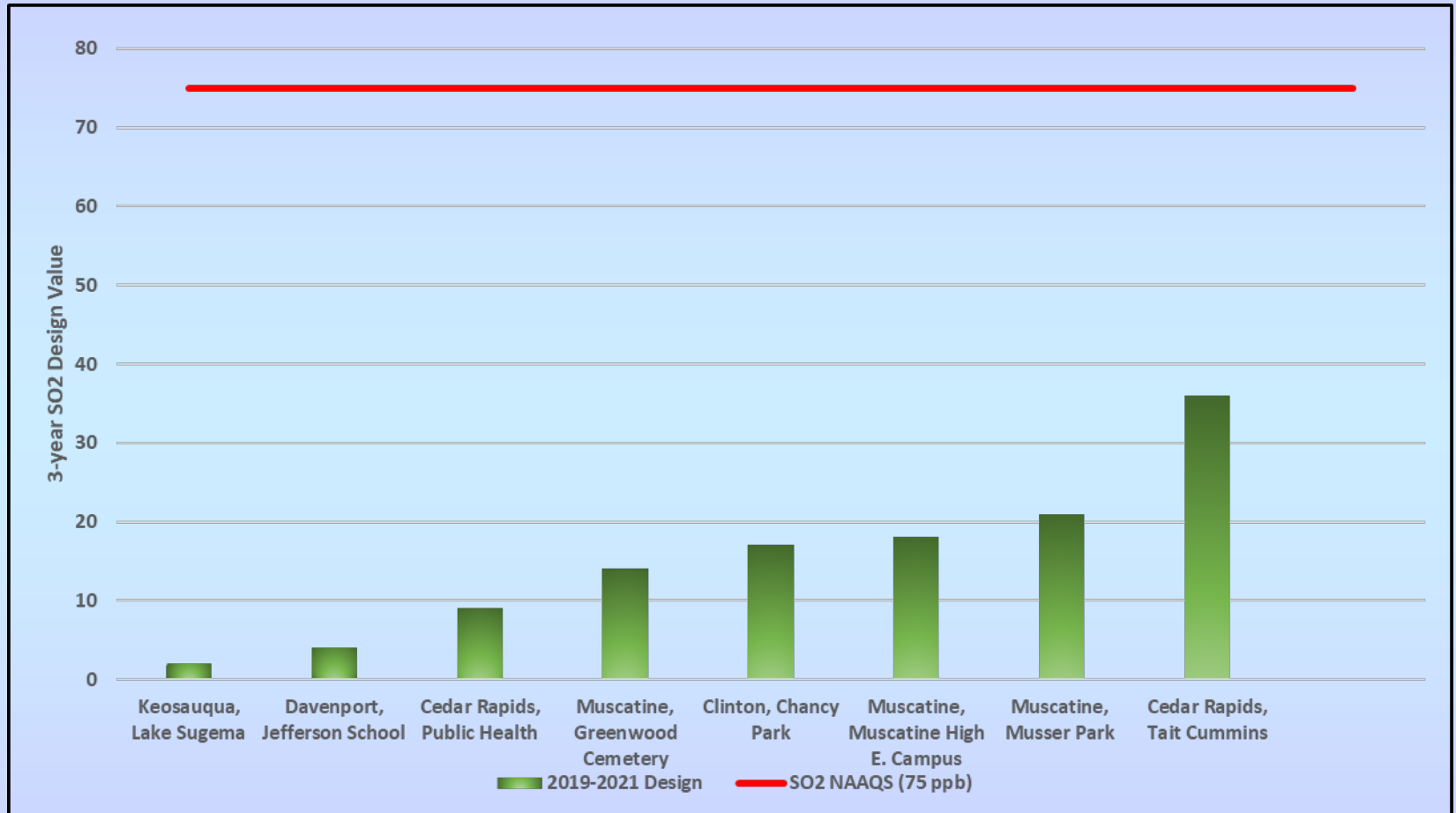
Concentrations listed in ppb. Values greater than 75 exceed the standard.



# Iowa Sulfur Dioxide Design Values 2021

<b>County</b>	<b>City</b>	<b>EPA Site ID</b>	<b>Design Value 3-year Average of 99th Percentile (ppb)</b>	<b>Years Averaged</b>
Clinton	Clinton	19-045-0019	17	2018-2020
Linn	Cedar Rapids	19-113-0040	9	2018-2020
Linn	Cedar Rapids	19-113-0041	36	2018-2020
Muscatine	Muscatine	19-139-0016	14	2018-2020
Muscatine	Muscatine	19-139-0019	18	2018-2020
Muscatine	Muscatine	19-139-0020	21	2018-2020
Scott	Davenport	19-163-0015	4	2018-2020
Van Buren	Keosauqua	19-177-0006	2	2018-2020
<b>Three year averages greater than 75 ppb indicate non-attainment with the 1-Hour NAAQS.</b>				

# Iowa SO<sub>2</sub> Design Values Chart: 2019-2021



# Web Resources

## **Iowa Real-time Data Reporting :**

### ***In Polk County:***

<https://www.polkcountyiowa.gov/public-works/air-quality/air-quality-monitoring/current-aqi-real-time-data/>

### ***In Linn County:***

<https://monitoring.linncleanair.org/>

### ***Outside Polk and Linn Counties:***

<http://www.shl.uiowa.edu/env/ambient/data.xml>

### ***Design Values for All Pollutants Nationwide:***

<https://www.epa.gov/air-trends>

### ***Trends in Sulfur Dioxide Levels:***

<https://www.epa.gov/air-trends/sulfur-dioxide-trends>

### **Historical Air Pollution Data for Iowa and Other States:**

<https://www.epa.gov/outdoor-air-quality-data>